

## AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, or listings, of claims in this application.

1. (Currently Amended) In the process for producing graft polymers of the ABS type by the emulsion method, wherein

5 to 95% by weight of a monomer mixture containing

A) 50 to 99% by weight of at least one ~~vinyl aromatic compound~~ styrene,

B) 1 to 50% by weight of at least one ~~copolymer~~ acrylonitrile,

the percent being relative to the total weight of (A) and (B).

are ~~polymerised~~ polymerized in the presence of

C) 95 to 5% by weight of one or more ~~graft substrates with glass transition temperatures <10° C~~ polybutadienes,

the improvement comprising continuously monitoring the Raman spectra of the reaction mixture and ~~introducing corrective measures~~ increasing or decreasing the feed rate of at least one monomer or initiator, if the concentration of ~~one or more monomers~~ styrene deviates from ~~it's desired~~ a selected value of less than 12 % by weight based on the weight of the polybutadiene.

2. (Original) The process according to claim 1, wherein the monomer concentrations are calculated from the Raman spectra by means of weighted subtraction.

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)